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PTO/SB/05 (2/98)  
Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 06192.0230.NPUS00  
First Named Inventor or Application Identifier Jang-Kun SONG  
Title Thin Film Transistor Substrate For A Liquid Crystal Display  
And A Method for Repairing The Substrate  
Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:** Assistant Commissioner for Patent  
Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (Form PTO-1082)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 22 ]  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 7 ]
4. ☒ Oath or Declaration [Total Pages 3 ]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named  
in the prior application, see 37 CFR 1.63(d)(2) and  
1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b, is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above  
copies

**ACCOMPANYING APPLICATION PARTS**

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)  
(should be specifically itemized)
14. ☐ \*Small Entity ☐ Statement filed in  
Statement(s) prior application,  
Status still proper  
and desired
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:


\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF  
ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

**17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /  
Prior Application Information: Examiner: Group/Art Unit:

**18. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

|                   |   |           |              |                                   |              |
|-------------------|---|-----------|--------------|-----------------------------------|--------------|
| NAME              | Michael J. Bell<br>HOWREY SIMON ARNOLD & WHITE, LLP                                 |           |              |                                   |              |
| ADDRESS           | Box No. 34<br>1299 Pennsylvania Avenue, N.W.  |           |              |                                   |              |
| CITY              | Washington  | STATE     | DC           | ZIP CODE                          | 20004-2402   |
| COUNTRY           | US  | TELEPHONE | 202-783-0800 | FAX                               | 202-383-7195 |
| Name (Print/Type) | Michael J. Bell   |           |              | Registration No. (Attorney/Agent) | 39,604       |
| Signature         |  |           |              | Date                              | May 23, 2001 |

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

Attorney Docket No. 06192.0230.NPUS00

ASSISTANT COMMISSIONER FOR PATENTS  
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor: **Jang-Kun SONG**

For: **THIN FILM TRANSISTOR SUBSTRATE FOR A LIQUID CRYSTAL DISPLAY**  
**AND A METHOD FOR REPAIRING THE SUBSTRATE**

Enclosed is a new application comprising:

- ☒ A specification containing: 17 pages of description prior to the claims; 7 pages of claims (**25 claims**); a one (1) page abstract; 7 sheets of drawings (**Figures 1, 2, 3, 4, 5A, 5B, 5C, 5D, 6, 7A, 7B, 7C and 7D**)
- ☒ PTO SB/05

The filing fee has been calculated as shown below:

|   | (Col. 1)  | (Col. 2)  |
|---|-----------|-----------|
| FOR   | NO. FILED | NO. EXTRA |
| BASIC FEE   |           |           |
| TOTAL CLAIMS  | 25-20 =   | * 5       |
| INDEP. CLAIMS   | 3-3 =     | * 0       |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED |           |           |

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

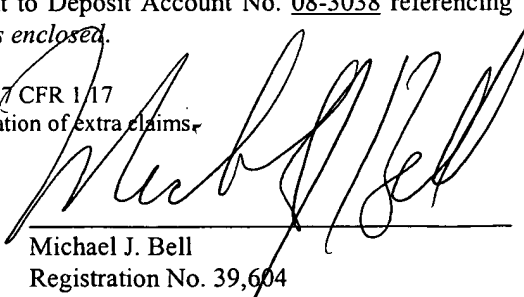
| SMALL ENTITY |           |
|--------------|-----------|
| RATE         |           |
|              | \$ 345.00 |
| x 9 =        |           |
| x 39 =       |           |
| + 130 =      |           |
| TOTAL        |           |

| OTHER THAN A SMALL ENTITY |                 |
|---------------------------|-----------------|
| RATE                      | FEE             |
|                           | \$ 710.00       |
| x 18 =                    | 90.00           |
| x 80 =                    | 0               |
| + 270 =                   |                 |
| TOTAL                     | <b>\$800.00</b> |

- ☒ A check in the amount of **\$800.00** to cover the filing fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0230.NPUS00. *A copy of this sheet is enclosed.*

- ☒ Any patent application processing fees under 37 CFR 1.17
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date May 23, 2001

  
 Michael J. Bell  
 Registration No. 39,604

May 23, 2001

*Box New Applications*

Assistant Commissioner for Patents  
Washington, DC 20231

Re: New Utility Non-Provisional U.S. Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Title: **THIN FILM TRANSISTOR SUBSTRATE FOR A  
LIQUID CRYSTAL DISPLAY AND A METHOD FOR  
REPAIRING THE SUBSTRATE**  
Inventors: **Jang-Kun SONG**  
Our Ref: 06192.0230.NPUS00

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

**THIN FILM TRANSISTOR SUBSTRATE FOR A LIQUID  
CRYSTAL DISPLAY AND A METHOD FOR REPAIRING  
THE SUBSTRATE**

and naming as inventors: **Jang-Kun SONG**

the application consisting of:

a. A specification containing:

- (i) 17 pages of description prior to the claims;
- (ii) 5 pages of claims (27 claims);
- (iii) a one (1) page abstract;

b. 7 sheets of drawings: (Figures 1, 2, 3, 4, 5A, 5B, 5C, 5D, 6, 7A, 7B, 7C and 7D);

4. Executed Combined Declaration-Power Attorney;
5. Executed Assignment and PTO 1595 Assignment Recordation Sheet

5. Claim for Priority and certified copy of Korean Patent No. 2000-27832 filed May 23, 2000;
6. Check No. 353270 in the amount of \$800.00 and Check No. 353271 in the amount of \$40.00 to cover the following Fees

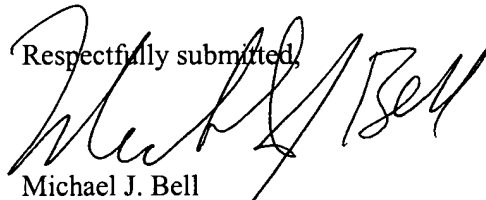
|          |  |
|----------|--|
| \$800.00 | Basic Application Filing and Extra claims Fees |
| \$ 40.00 | Assignment Recordation Fee                     |

7. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number 06192.0230.NPUS00. *A copy of this letter is enclosed.*

Respectfully submitted,



Michael J. Bell  
Registration No. 38,604

Enclosures

06192.0181.NPUS00